

Listing of Claims:

- 1 1. (Previously Presented) A sectional door movable between a closed vertical
2 position and an open horizontal position comprising, a plurality of panels having
3 a front facer and a rear surface, first and second joints spaced and joined by said
4 front facer and integrally interconnecting said front facer and said rear surface,
5 said first and second joints being hinged to permit pivotal movement between
6 adjacent of said panels and being matingly engaged in the closed vertical
7 position, said first joint having primarily substantially planar surfaces oriented
8 substantially perpendicular to said front facer and said second joint being a
9 substantially curvilinear surface, whereby a strong pinch resistant construction
10 of said door is provided.
- 1 2. (Original) The sectional door of claim 1, wherein said first joint has a raised
2 portion located intermediate said front facer and said rear surface of said panels,
3 said raised portion contacting said second joint to bear a portion of the weight of
4 an adjacent one of said panels.
- 1 3. (Original) The sectional door of claim 2, wherein said raised portion tangentially
2 contacts said surface of said second joint when said door is in the closed vertical
3 position.
- 1 4. (Original) The sectional door of claim 1 , wherein said second joint has a
2 projecting nose which is spaced no more than .2 inch from said first joint during
3 movement between the closed vertical position and the open horizontal position.
- 1 5. (Previously Presented) The sectional door of claim 1, wherein said surface of said
2 second joint is a generally concave surface receiving said first joint.
- 1 6. (Original) The sectional door of claim 1, wherein said second joint is substantially

2 an arc of a circle.

1 7. (Original) The sectional door of claim 1 further comprising, a downwardly
2 extending nose joining said front facer of the door to said second joint, and
3 wherein said first joint defines an offset portion near said front facer of said
4 panels adapted to receive said nose when said door is in the closed vertical
5 position.

1 8. (Original) The sectional door of claim 7 further comprising, a heel portion formed
2 on said second joint near said rear surface of said panels, and a recessed offset
3 formed on said first joint defining a clearance between said first and second joints
4 near said rear of said panels.

1 9. (Original) The sectional door of claim 1, wherein said first joint is integrally
2 formed on a top surface of said panels and said second joint is integrally formed
3 on a bottom surface of said panels.

1 10. (Canceled)

1 11. (Currently Amended) The sectional door of claim 1 ~~10~~, wherein said panels have
2 end stiles receiving roller carriers supporting rollers, said roller carriers ~~are~~ being
3 constructed of a plastic material.

1 12. (Currently Amended) The sectional door of claim 11 ~~10~~ further comprising, a
2 hinge receiver formed on said roller carriers, and a hinge having a first end
3 pivotably received within said hinge receiver and a second end attached to an
4 adjacent one of said panels, whereby said hinge pivotally connects adjacent of
5 said panels.

1 13. (Previously Presented) The sectional door of claim 12, wherein said hinge
2 receiver includes an arcuate slot and said first end of said hinge is arcuate such
3 that said first end of said hinge travels within said arcuate slot during pivotal
4 movement of said hinge.

1 14. (Currently Amended) The sectional door of claim 1, wherein said second joint
2 ~~member~~ has a large radius curved surface.

1 15. (Currently Amended) A sectional door movable between a closed vertical position
2 and an open horizontal position comprising, a plurality of adjacent panels having
3 a facer integrally forming a front surface, first and second joint members ~~surfaces~~
4 extending rearwardly of said front surface, and rear surfaces extending from said
5 joint members and substantially paralleling said front surfaces, hinges connecting
6 adjacent panels for articulation when moving between the open horizontal
7 position and the closed vertical position with said first joint member of one of
8 said panels in mating engagement with said second joint member of an adjacent
9 of said panels, said first joint member having primarily substantially planar
10 surfaces oriented substantially perpendicular to said front surface, and said
11 second joint member having a substantially curvilinear surface, whereby said
12 panels provide a strong pinch resistant construction.

1 16. (Previously Presented) The sectional door of claim 15, wherein said second joint
2 member is substantially an arc of a circle.
3

4 17. (Previously Presented) The sectional door of claim 16, wherein said arc has a
5 large radius.

1 18. (Previously Presented) The sectional door of claim 15, wherein the junctures of
2 said second joint member with said front surface and said rear surface lie on a

3 line substantially perpendicular to said front surface.

1 19. (Previously Presented) The sectional door of claim 15, wherein said first joint
2 member has a raised planar surface located substantially intermediate said front
3 surface and said rear surfaces and contacts said second joint, said first joint
4 member having a plurality of planar tiers between said front surface and said
5 raised planar surface.

1 20. (Previously Presented) The sectional door of claim 15, wherein said panels have
2 stiles mounting said hinges and extending between said front surface and said
3 rear surfaces.

1 21. (Previously Presented) The sectional door of claim 20, wherein said stiles include
2 end stiles and at least one center stile, said end stiles receiving and supporting
3 rollers.